

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY



FACULTY OF SCIENCE AND TECHNOLOGY EDUCATION

DEPARTMENT OF SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION

PROGRAMME: PGDESTEM

FINAL EXAMINATION: SPECIALIST SUBJECT DIDACTICS

COURSE COD: PST 5119.

NOVEMBER, 2024

This examination consists of 2 pages

Time Allowed: 3 hours
Total marks: 25
Special Requirements: Nil
Examiner's Name: Dr M. Mpofu
External Examiner: Dr L. Hadebe

Instructions to candidates

1. Answer any four questions from the options given below.
2. Questions can be answered in any order.
3. All questions carry **25 marks** each.
4. Begin each question on a fresh page.
5. Marks will be deducted for illegible had writing.

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5	25
TOTAL	100

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QUESTION 1

Discuss four elements of instruction in the teaching of science subject. **[25 marks]**

QUESTION 2

Analyse the criteria of selecting strategies for teaching and learning of different subjects. **[25 marks]**

QUESTION 3

Examine four different methods of teaching and explain how each method can be used to enhance effective teaching and learning. **[25 marks]**

QUESTION 4

Explain the need for the following in a lesson plan:

- | | | |
|------|--------------------|------------------|
| i) | Introduction. | [5 marks] |
| ii) | Evaluation. | [5 marks] |
| iii) | Educational media. | [5 marks] |
| iv) | Assumed knowledge. | [5 marks] |
| v) | Concept analysis. | [5 marks] |

QUESTION 5

Analyse the various educational provisions of individual differences. **[25 marks]**

END OF EXAMINATION PAPER